

## **ABSTRACT OF THE DISCLOSURE**

A secondary battery includes a positive electrode, a negative electrode, and an isolation film and an electrolytic solution provided between the positive electrode and the negative electrode. The positive electrode includes a positive electrode active  
5 substance coated with a modified layer to enhance a wettability between the positive electrode and the electrolytic solution so as to improve the low temperature operation feature of the secondary battery. In addition, the content of solvents of low boiling point, low firing point and low viscosity in the electrolytic solution can be greatly reduced to improve the safety of the secondary battery.